

ABSTRACT OF THE DISCLOSURE

An object of the present invention is to provide an electronic circuit device capable of reducing the occurrence of electromagnetic waves accompanying the propagation of a signal. The electronic circuit device comprises a plurality of transparent substrates, on which an optical sensor and an optical shutter are formed. An optical signal is inputted from the external into the electronic circuit device, and the optical signal is directly irradiated on the optical sensor disposed on the transparent substrate, or the optical signal is transmitted through the transparent substrate and inputted into an optical sensor on the other substrate. The optical sensor converts the optical signal into an electric signal, and the circuit disposed on the substrate is operated. The optical shutter is controlled by the output of the circuit, the light is inputted from the external into this optical shutter, and whether the light has been transmitted or not is determined, thereby taking out the signal. In this way, by reducing electric signals for input and output, the occurrence of unnecessary electromagnetic waves is prevented.